

TWIN COIL CLAW POLE ROTOR WITH DUAL INTERNAL FAN CONFIGURATION FOR ELECTRICAL MACHINE

ABSTRACT

A dynamoelectric machine including a housing defining a drive end and an opposite slip ring end; a stator; a rotor rotatable within the stator, the rotor including more than two flux carrying segments rotatably disposed on a rotor shaft in the housing, each segment having $P/2$ claw poles, wherein P is an even number; and a rotor assembly including two fans located adjacent to outbound segments defining the rotor and opposite each other disposed inside the housing and mounted concentric with the rotor shaft.